

## Product datasheet for **RG200951**

### **LRRC61 (NM\_023942) Human Tagged ORF Clone**

#### Product data:

|                    |                         |
|--------------------|-------------------------|
| Product Type:      | Expression Plasmids     |
| Tag:               | TurboGFP                |
| Symbol:            | LRRC61                  |
| Synonyms:          | HSPC295                 |
| Mammalian Cell     | Neomycin                |
| Selection:         |                         |
| Vector:            | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL)  |

**ORF Nucleotide Sequence:** >RG200951 representing NM\_023942  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGACCCTCCAGCGGAGAAGCCGGGAGAGGCTGGCGGACTGCAGATCACACCCAGCTGCTGAAGTCAC  
GCACAGGCGAGTTCTCCCTGGAGTCCATCTGCTACTGAAGCTGCGTGGCTTGGGACTGGCTGACCTGGG  
CTGCCTGGGAGAGTGCCTGGGCCTGGAGTGGCTGGACCTATCAGGCAACGCGCTACCCACCTGGGCCCG  
CTGGCCTCCTTGCGCCAGCTAGCTGTGCTCAATGTCTCCAACAATCGGCTGACGGGCCTGGAGCCACTGG  
CCACCTGTGAGAACTTGCAAGTCTCAATGCCGAGGCAACCTACTGGCCACCCCGGGCCAGCTGCAGTG  
TCTGGCTGGGCTACCGTGCCTGGAGTACCTGCGGCTCCGAGACCCTTTGGCCCGGCTCAGCAACCCGCTC  
TGTGCAACCCCTCCTACTGGGCTGCAGTCCGGGAGCTGCTGCCTGGCCTGAAAGTCATCGACGGTGAGC  
GTGTGATTGGGCGTGGTAGTGAGTTCTACCAGCTGTGCCGAGACCTGGACAGCTCCTTGCGTCCCAGCTC  
CAGTCCAGGCCCCAGAGCCACCGAGGCCAGCCCTGGGTGGAGCCAGGCTACTGGGAGTCTTGGCCAGC  
CGGAGCAGCTCCATCCTGGAGGAGGCTGCCGGCAGTTCAGGACACACTGCAGGAGTGCTGGGACCTGG  
ACCGCCAGGCCAGCGACAGCCTGGCCAGGCGGAGCAGGTACTCAGCTCTGCGGGCCCCACCTCTTCCTT  
CGTCTTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



**Protein Sequence:**

>RG200951 representing NM\_023942

Red=Cloning site Green=Tags(s)

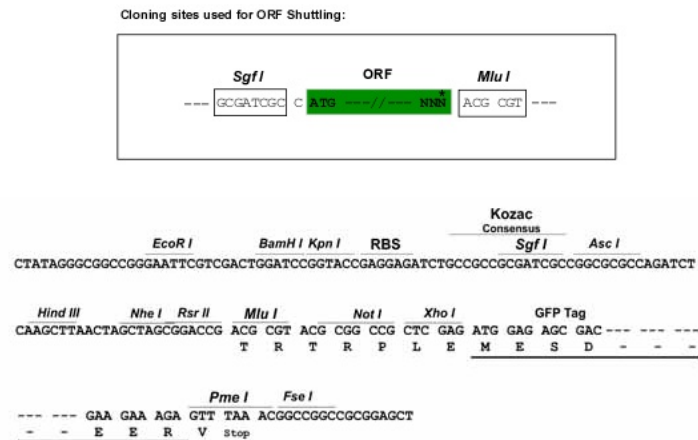
MDPPAEKPGGEAGGLQITPQLLKSRTEGFSLESILLKLRGLGLADLGLCECLGLEWLDLSGNALTHLGP  
LASLRQLAVLNVSNNRLTGLEPLATCENLQSLNAAGNLLATPGQLQCLAGLPCLEYLRRLRDPLARLSNPL  
CANPSYAAVRELLPGLKVIDGERVIGRGSEFYQLCRDLSSLRPSSSPGPRATEAQPWVEPGYWESWPS  
RSSSILEEACRQFQDTLQECWDLDRQASDLSAQAEQVLSSAGPTSSFVF

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:**

NM\_023942

**ORF Size:**

777 bp

**OTI Disclaimer:**

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

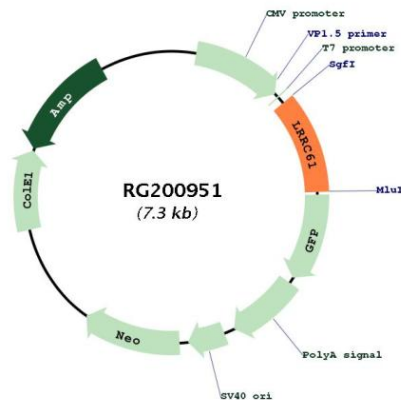
**OTI Annotation:**

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_023942.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>           | 1505 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 780 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 65999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>Q9BV99</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 7q36.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Domains:</b>               | LRR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**Product images:**


Circular map for RG200951